

## NOISE REDUCED ELECTRIC POWER CONVERSION DEVICE

### Abstract of Disclosure

**0043**

A method of reducing the audible operating noise of an electric power conversion device includes providing a segmented commutator with slots between the segments and smoothing the brush transition between the slots to reduce brush vibration and the associated noise ordinarily created when the motor brush contacts the commutator. The commutator and assemblies for smoothing the commutator surface are disclosed.